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CENTRAL STATES FOREST EXPERIMENT STATION
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Station Note
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Jan. 15, 1934.

A BLACK LOCUST VOLUME TABLE FOR CONTENT IN CUBIC FEET

Plantation BLACK LOCUST
(Robinia pseudoacacia,Linn)
Central Hardwood Region

L. F. Kellogg

1933

Entire stem less bark
Cubic Feet

Diameter breast high		Total Height of Tree in Feet									Basis:
		10	20	30	40	50	60	70	80	90	No. of
		Volume in cubic feet									Trees
Inches (o.b.)	(i.b.)										
1	0.8	0.04	0.07	0.09	0.11						14
2	1.6	0.13	0.22	0.30	0.38	0.46					32
3	2.5	0.21	0.38	0.53	0.70	0.85	1.03				34
4	3.3	0.36	0.62	0.90	1.21	1.50	1.78	2.07			37
5	4.1	0.49	0.96	1.39	1.84	2.30	2.73	3.07			42
6	5.0		1.34	1.97	2.61	3.22	3.83	4.46	5.20		45
7	5.8		1.80	2.70	3.55	4.25	5.25	6.20	7.00	8.30	27
8	6.7			3.52	4.65	5.80	6.80	8.10	9.30	10.70	26
9	7.6			4.40	5.90	7.30	8.75	10.20	11.60	13.30	26
10	8.4			5.50	7.25	9.10	10.70	12.40	14.20	16.50	30
11	9.3			6.60	8.80	10.80	12.80	14.70	17.00	19.50	25
12	10.2			7.80	10.30	12.70	15.10	17.30	20.00	23.30	22
13	11.0			9.20	12.00	14.90	17.50	20.20	23.40	27.00	8
14	11.9				13.80	17.00	20.20	23.30	26.70	31.00	6
15	12.8				15.80	19.50	23.00	26.50	30.40	35.00	5
16	13.6					22.30	26.30	30.40	34.40	40.10	4
17	14.5					25.00	29.60	34.40	39.40	45.30	4
18	15.3						33.70	38.90	45.00	52.00	4
19	16.2						38.60	44.00	51.60	59.50	4
20	17.1						44.00	50.70	59.00	68.00	1
Basis: No. of Trees		18	53	65	44	90	39	43	29	15	396

Trees measured by Central States Forest Experiment Station in Indiana, Illinois, and Ohio. Stump ht. 1.0 ft. Volume measured by planimeter. Aggregate deviation: chart 0.01% high. Average percentage deviation on 393 trees, 9%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the first of several volume tables for plantation black locust. As other tables are completed they will be issued immediately in this form in order to avoid delay in making them available to those who need them.